

**Amendments to the Claims:**

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A display device comprising:  
~~\_\_\_\_\_ a display substrate;~~  
~~\_\_\_\_\_ projections on the display substrate, which form a difference in height between the projections and the peripheries of projections; and~~  
~~\_\_\_\_\_ an optical material arranged on the projections.~~  
~~\_\_\_\_\_ switching elements; and~~  
~~\_\_\_\_\_ an optical material arranged at predetermined positions by features on an object comprising a display substrate, the features of which repellency to the optical material in a liquid or a liquid precursor of the optical material being substantially different from that of peripheries of the features, there not being a starting material for forming the features at the predetermined positions.~~
2. (Canceled).
3. (Currently Amended) The method of manufacturing a display device according to ~~claim 2, claim 16,~~ the features being recesses that are less repellent to the optical material in liquid or the liquid precursor, compared to the peripheries of the recesses; and  
  
the optical material being disposed at ~~the predetermined positions, by a process including application of the optical material or the liquid precursor to the surface having recesses, with the surface facing upward.~~ a surface where the recesses are formed.
4. (Currently Amended) ~~The method~~ A method of manufacturing a display device according to ~~claim 2,~~ the features being formed in such a manner being projections that are less repellent to the optical material in liquid or the liquid precursor, compared to the peripheries of the projections; and

~~the optical material being disposed at the predetermined positions, by a process including application of the optical material or the liquid precursor to the surface having projections, with the surface facing downward.~~, the method comprising the steps of:  
~~forming projections on a display substrate so as to form a difference in height between the projections and the peripheries of projections; and~~  
~~applying one of an optical material and a liquid precursor to the surface where the projections are formed.~~

5-8. (Canceled).

9. (Currently Amended) The method of manufacturing a display device according to ~~claim 5, the features comprising claim 73, the wiring including at least one of the bus lines: bus line.~~

10. (Currently Amended) The method of manufacturing a display device according to ~~claim 2, the features comprising claim 73, the wiring including a plurality of at least one of a scanning lines or signal lines: line, signal line and a supply line.~~

11. (Currently Amended) The method of manufacturing a display device according to ~~claim 2, the features comprising claim 4, the projections formed by pixel electrodes.~~

12. (Currently Amended) The method of manufacturing a display device according to ~~claim 2, claim 16, the features comprising including an interlayer insulation film.~~

13. (Currently Amended) The method of manufacturing a display device according to ~~claim 2, claim 16, the features comprising including a light shielding layer.~~

14. (Currently Amended) The method of manufacturing a display device according to ~~claim 2, claim 16, in the step of forming features, the features being formed by application of a material in liquid followed by removal of a part of the material.~~

15. (Currently Amended) ~~The method of manufacturing a display device according to claim 2, further comprising the steps of:~~

~~\_\_\_\_\_ forming a layer to be transferred including the features on a peeling layer disposed on a peeling substrate in the step of forming the features, and A method of manufacturing a display device, the method comprising the steps of:~~

~~\_\_\_\_\_ forming features of which repellency to one of an optical material in liquid and a liquid precursor of the optical material is substantially different from that of peripheries of the features on a peeling layer disposed on a peeling substrate so as to form a difference in height between the features and predetermined positions defined by features;~~

~~\_\_\_\_\_ applying one of the optical material and the liquid precursor to the surface at the predetermined positions; and~~

~~transferring the layer to be transferred onto the coated display substrate or the a display substrate.~~

16. (Currently Amended) ~~The method of manufacturing a display device according to claim 2, A method of manufacturing a display device, the method comprising the steps of:~~

~~\_\_\_\_\_ forming features on a display substrate so as to form a difference in height between the features and predetermined positions defined by the features; and~~

~~\_\_\_\_\_ applying one of an optical material and a liquid precursor to the surface at the predetermined positions, wherein a height  $d_r$  of the surface features satisfies the following equation (1):~~

$$d_a < d_r$$

$d_a$  is a thickness of a single coat of the liquid optical material.

17. (Previously Presented) The method of manufacturing a display device according to claim 16, wherein following equation (2) is satisfied:

$$V_d / (d_b \bullet r) > E_t$$

$V_d$  is a driving voltage applied to the optical material;

$d_b$  is a total thickness of the liquid optical material coated;

$r$  is a concentration of the liquid optical material; and

$E_t$  is a minimum electric field strength (threshold electric field strength) at which a change in optical properties of the liquid optical material occurs.

18. (Currently Amended) The method of manufacturing a display device according to ~~claim 2, claim 19,~~ wherein following equation (3) is satisfied:

$$d_f = d_r$$

wherein:

$d_f$  is a thickness of the optical material at the time of completion; and

$d_r$  is a height of the surface features.

19. (Currently Amended) ~~The method of manufacturing a display device according to claim 18; A method of manufacturing a display device, the method comprising the steps of:~~

~~\_\_\_\_\_ forming features on a display substrate so as to form a difference in height between the features and predetermined positions defined by the features; and~~

~~\_\_\_\_\_ applying one of an optical material and a liquid precursor to the surface at the predetermined positions, wherein following equation (4) is satisfied:~~

$$V_d / d_f > E_t$$

$V_d$  is a driving voltage applied to the optical material; and

$E_t$  is a minimum electric field strength (threshold electric field strength) at which a change in optical properties of the liquid optical material occurs.

20-31. (Canceled).

32. (Currently Amended) ~~The method of manufacturing a matrix type display device according to claim 2, further comprising the step of A method of manufacturing a display device, the method comprising the steps of:~~

~~\_\_\_\_\_ forming features on a display substrate so as to form a difference in height between the features and predetermined positions defined by the features;~~

~~\_\_\_\_\_ applying one of an optical material and a liquid precursor to the surface at the predetermined positions; and~~

~~\_\_\_\_\_ enhancing a lyophilicity at the predetermined positions on the display substrate relative to a lyophilicity of peripheries of the predetermined positions.~~

33-50. (Canceled).

51. (Currently Amended) The display device according to ~~claim 50, claim 61,~~ the predetermined positions being ~~lower in height one between a one of the features and the peripheries, peripheries that is lower in height.~~

52-53. (Canceled).

54. (Currently Amended) The method of manufacturing a display device according to ~~claim 53, claim 4,~~ the method further comprising forming switching elements.

55. (Previously Presented) The method of manufacturing a display device according to claim 54, the switching elements being thin film transistors.

56. (Currently Amended) The display device according to ~~claim 1, claim 81,~~ the switching elements being thin film transistors.

57. (Canceled).

58. (Currently Amended) The display device according to ~~claim 57, the claim 1,~~ ~~further comprising features being projections which that surround the optical material.~~

59. (Canceled).

60. (Currently Amended) A display device comprising:

~~a substrate;~~  
~~features on the substrate that form a difference in height between the features~~  
~~and predetermined positions defined by the features; and~~  
~~an optical material arranged at predetermined positions on an object~~  
~~comprising a display substrate, first bus lines, and second bus lines, the predetermined~~  
~~positions being defined by features of which repellency to the optical material in liquid or a~~  
~~liquid precursor of the optical material is substantially different from that of the peripheries of~~  
~~the features; and~~  
~~the optical material being arranged by ink jet method,~~  
~~there not being a starting material for forming the features at the predetermined~~  
~~positions. repellency of the features to one of an optical material in liquid and a liquid~~  
~~precursor of the optical material being substantially different from that of the peripheries of~~  
~~the features.~~

61. (Currently Amended) A display device comprising:

~~features that include wiring and that form a difference in height between the~~  
~~features and predetermined positions defined by the features; and~~  
~~an optical material arranged at predetermined positions defined by features on~~  
~~an object comprising a display substrate, scanning lines, and signal lines;~~  
~~there not being a starting material for forming the features at the predetermined~~  
~~positions. the features on a display substrate.~~

62. (Currently Amended) The ~~method display device comprising according to~~  
claim 61, further comprising switching elements.

63. (Previously Presented) The display device according to claim 62, the  
switching elements being thin film transistors.

64. (Currently Amended) The display device according to ~~claim 50, claim 61~~, the features being projections which surround the optical material.

65. (Canceled).

66. (New) The method of manufacturing a display device according to claim 4, applying one of the optical material and the liquid precursor to the surface where the projections are formed by an ink jet method.

67. (New) The method of manufacturing a display device according to claim 4, the method further comprising the step of:

forming an interlayer so that at least part of the projections is covered.

68. (New) The method of manufacturing a display device according to claim 4, the method further comprising the steps of:

forming features of which repellency to one of the optical material in liquid and the liquid precursor of the optical material is substantially different from that of peripheries of the projections on a display substrate so as to form a difference in height between the features and predetermined positions defined by features; and

applying one of the optical material and the liquid precursor to the surface at the predetermined positions.

69. (New) The method of manufacturing a display device according to claim 68, the features formed by wiring.

70. (New) The method of manufacturing a display device according to claim 69, the wiring including at least one bus line.

71. (New) The method of manufacturing a display device according to claim 69, the wiring including at least one of a scanning line, signal line and a supply line.

72. (New) The method of manufacturing a display device according to claim 4, wherein projections are less repellent to one of the optical material in liquid and the liquid precursor, compared to the peripheries of the projection.

73. (New) A method of manufacturing a display device, the method comprising the steps of:

forming features on an a display substrate by wiring so as to form a difference in height between the features and predetermined positions defined by the features; and

applying one of an optical material and a liquid precursor to the surface at the predetermined positions.

74. (New) The method of manufacturing a display device according to claim 15, wherein applying one of the optical material and the liquid precursor to the surface at predetermined positions is performed by an ink jet method.

75. (New) The method of manufacturing a display device according to claim 16, wherein repellency of the features to one of the optical material in liquid and the liquid precursor of the optical material is different from that of the predetermined positions.

76. (New) The display device according to claim 1, the projections formed by pixel electrodes.

77. (New) The display device according to claim 1, further comprising an interlayer covering at least part of the projections.

78. (New) The method of manufacturing a display device according to claim 58, the features formed by wiring.

79. (New) The method of manufacturing a display device according to claim 78, the wiring including at least one bus line.

80. (New) The method of manufacturing a display device according to claim 78, the wiring including at least one of a scanning line, signal line and a supply line.



81. (New) The display device according to claim 1, further comprising switching elements.

82. (New) The display device according to claim 61, the wiring including at least one bus line.

83. (New) The display device according to claim 61, the wiring including at least one of a scanning line, a signal line, and a supply line.

84. (New) The method of manufacturing a display device according to claim 16, wherein applying one of the optical material and the liquid precursor to the surface at predetermined positions is performed by an ink jet method.

85. (New) A method of manufacturing an electro-luminescent device, the method comprising the steps of:

forming projections on a substrate so as to form a difference in height between the projections and the peripheries of projections; and

applying one of an optical material and a liquid precursor to the surface where the projections are formed.

86. (New) The method of manufacturing a display device according to claim 19, wherein applying one of the optical material and the liquid precursor to the surface at predetermined positions is performed by an ink jet method.

87. (New) A method of manufacturing an electro-luminescent device, the method comprising the steps of:

forming features of which repellency to one of an optical material in liquid and a liquid precursor of the optical material is substantially different from that of peripheries of the features on a peeling layer disposed on a peeling substrate so as to form a difference in height between the features and predetermined positions defined by features;

applying one of the optical material and the liquid precursor to the surface at the predetermined positions; and

transferring the layer to be transferred onto a display substrate.

88. (New) A method of manufacturing an electro-luminescent device, the method comprising the steps of:

forming features on a substrate so as to form a difference in height between the features and predetermined positions defined by the features; and

applying one of an optical material and a liquid precursor to the surface at the predetermined positions,

wherein a height  $d_r$  of the surface features satisfies the following equation (1):

$$d_a < d_r$$

$d_a$  is a thickness of a single coat of the liquid optical material.

89. (New) A method of manufacturing an electro-luminescent device, the method comprising the steps of:

forming features on a display substrate so as to form a difference in height between the features and predetermined positions defined by the features; and

applying one of an optical material and a liquid precursor to the surface at the predetermined positions wherein following equation (4) is satisfied:

$$V_d/d_f > E_t$$

$V_d$  is a driving voltage applied to the optical material; and

$E_t$  is a minimum electric field strength (threshold electric field structure) at which a change in optical properties if the liquid optical material occurs.

90. (New) A method of manufacturing an electro-luminescent device, the method comprising the steps of:

forming features on a display substrate so that a difference in height between the features and predetermined positions is defined by the features;

applying one of an optical material and a liquid precursor to the surface at the predetermined positions; and

enhancing a lyophilicity at the predetermined positions on the display substrate relative to a lyophilicity of the peripheries of the predetermined positions.

91. (New) An electro-luminescent device comprising:

a substrate;

projections on the substrate, which form a difference in height between the projections and the peripheries of projections; and

an optical material arranged on the projections.

92. (New) An electro-luminescent device comprising:

a substrate;

features on the substrate that form a difference in height between the features and predetermined positions defined by the features; and

an optical material arranged at predetermined positions by ink jet method, repellency of the features to one of an optical material in liquid and a liquid precursor of the optical material is substantially different from that of the peripheries of the features.

93. (New) An electro-luminescent device comprising:

features that include wiring and that form a difference in height between the features and predetermined positions defined by the features; and

an optical material arranged at predetermined positions defined by the features on a display substrate.

94. (New) A method of manufacturing a display device, comprising the steps of:  
forming features of which repellency to an optical material in one of a liquid and a liquid precursor of the optical material is substantially different from that of peripheries of the features on an object comprising a display substrate so that a difference in height between the features in predetermined positions defined by the features is formed;  
applying one of the optical material and the liquid precursor to the surface where the features are formed by an ink jet method, wherein  
the features comprising pixel electrodes.

95. (New) The method of manufacturing a display device according to claim 32, wherein applying one of the optical material and the liquid precursor to the surface at predetermined positions is performed by an ink jet method.

96. (New) The method of manufacturing a display device according to claim 73, wherein applying one of the optical material and the liquid precursor to the surface at predetermined positions is performed by an ink jet method.

97. (New) The method of manufacturing a display device according to claim 19, wherein repellency of the features to one of the optical material in liquid and the liquid precursor of the optical material is different from that of the predetermined positions.

98. (New) The method of manufacturing a display device according to claim 32, wherein repellency of the features to one of the optical material in liquid and the liquid precursor of the optical material is different from that of the predetermined positions.

99. (New) The method of manufacturing a display device according to claim 73, wherein repellency of the features to one of the optical material in liquid and the liquid precursor of the optical material is different from that of the predetermined positions.